

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
14 October 2004 (14.10.2004)

PCT

(10) International Publication Number
WO 2004/088759 A3

(51) International Patent Classification⁷: F24J 2/06

(21) International Application Number: PCT/GR2004/000019

(22) International Filing Date: 2 April 2004 (02.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 20030100155 2 April 2003 (02.04.2003) GR

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

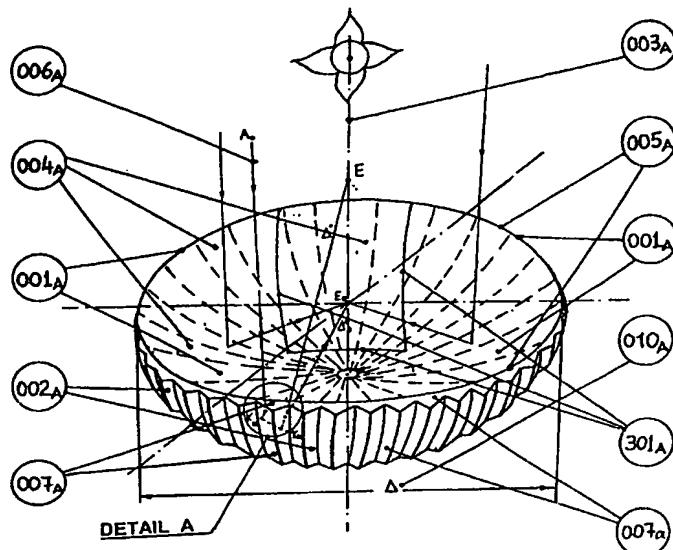
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 25 November 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HYBRID PHOTOVOLTAIC CONCENTRATING SYSTEM WITH CORRECTED TOTAL REFLECTION REFLECTORS



WO 2004/088759 A3

(57) Abstract: This invention refers to the development of innovative parabolic and paraboloid total reflection Reflectors with Curved Rectangular Total Reflection Prisms, which raise the imperfection of diffusion at the conventional rectangular prisms of the conventional parabolic and paraboloid TRR so that an accurate focusing and high Concentration (500 till 1500 suns or even more) are succeeded. Also refers to the development of an Innovative Solar Wave Guide with total reflection walls (Solar Artery), with Curved Rectangular Total Reflection Prisms which raise the phenomenon of diffusion (and losses) at the conventional Rectangular prisms of the conventional Hollow Solar Wave Guides and increase, one or even more orders of magnitude, the range of Solar Arteries for the same level of losses.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GR2004/000019

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F24J2/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F24J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/084747 A (PAPADOPOULOS ALEXANDROS) 24 October 2002 (2002-10-24) page 9 – page 10; figure 3	1
A	US 4 154 219 A (O'NEILL MARK J ET AL) 15 May 1979 (1979-05-15) abstract; figures	1
A	US 5 056 892 A (COBB JR SANFORD) 15 October 1991 (1991-10-15) abstract; figures	1
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A	US 4 720 170 A (LEARN JR MARTIN P) 19 January 1988 (1988-01-19) abstract; figures	1

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Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

4 October 2004

11/10/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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